

# DELPHION

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## Derwent Record

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Derwent Title: Pipeline transporting abrasive substances incorporates detector

Original Title:  DE19821637A1 Transportrohr

Assignee: ESSER WERKE GMBH & CO KG Standard company  
Other publications from ESSER WERKE GMBH & CO KG (ESSW)...

Inventor: None

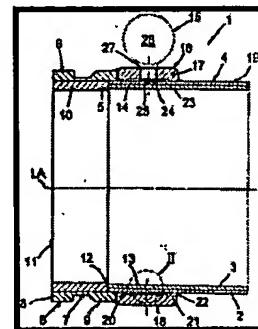
Accession/  
Update: 2000-014366 / 200002

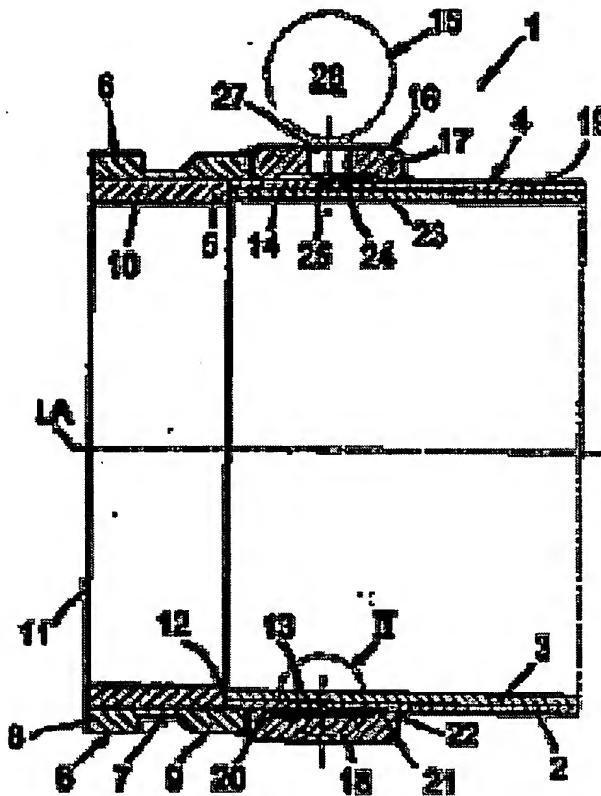
IPC Code: B65G 53/52 ; B65G 43/08 ; B65G 53/66 ; F16L 57/00 ;

Derwent Classes: Q35; Q67;

Derwent Abstract: (DE19821637A) Novelty - A pipe (1) for transporting bulk abrasive solids has a steel outer mantle (2) around an inner pipe (3) with higher resistance to abrasion. The outer mantle has a U-shaped bracket (16) holding a sensor (28) above a passage (27) directed at the mantle surface (19). The mantle surface has a number of surface recesses (25). Following progressive wear on the inner surface of the inner mantle, the surface wear eventually releases particles from the pipe interior to the sensor chamber (23). This event is detected and signaled by the sensor (28).  
Use - For transporting abrasive substances.  
Advantage - The inner pipe may be exchanged prior to commencement of wear to the inner face of the outer mantle.

Images:





**Description of Drawing(s)** - shows a cross-sectional side-view of the sensor installation.

Dwg.1/2

Family: [PDF Patent](#) Pub. Date Derwent Update Pages Language IPC Code  
 DE19821637A1 \* 1999-11-18 200002 5 German B65G 53/52  
 Local appls.: DE1998001021637 Filed:1998-05-14 (98DE-1021637)

INPADOC  
Legal Status: [Show legal status actions](#)

First Claim: [Show all claims](#)  
 1. Transportrohr zur fluidischen Förderung von Feststoffen, das einen Mittelabschnitt (4) und an den Enden (5) Kupplungsbunde (6) aufweist, dadurch gekennzeichnet, dass der Mittelabschnitt (4) in mindestens einem verschleißgefährdeten Längenbereich (13) außenseitig mit einer Prüfvorrichtung (15) zur Ermittlung des von innen nach außen fortschreitenden Verschleißes versehen ist.

Priority Number: 

Application Number	Filed	Original Title
DE1998001021637	1998-05-14	

Title Terms: PIPE TRANSPORT ABRASION SUBSTANCE INCORPORATE DETECT

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